

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

WL2XJI

(Call Sign)

XT FX MO

(Class of Station)

0701-EX-ST-2021

(File Number)

NAME Galactic Enterprises, LLC

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

Periodic testing up to a maximum operational altitude of 350,000 feet.

Station Locations

- (1) MOBILE: Spaceport America, Truth or Consequence, NM: max altitude 350,000 ft. AGL, within 185 km, centered around NL 32-59-14; WL 106-58-37
- (2) MOBILE: Spaceport America, Sierra County, NM: max altitude 350,000 ft. AGL, within 185 km, centered around NL 32-59-14; WL 106-58-37
- (3) MOBILE: Mojave Airport, Kern County, CA: max altitude 350,000 ft. AGL, within 185 km, centered around NL 35-02-54; WL 118-08-58
- (4) MOBILE: Mojave Airport, Kern County, CA: max altitude 350,000 ft. AGL, within 185 km, centered around NL 35-02-54; WL 118-08-58
- (5) MOBILE: Spaceport America, Truth or Consequence, NM: max altitude 350,000 ft. AGL, within 185 km, centered around NL 32-59-14; WL 106-58-37
- (6) MOBILE: Spaceport America, Truth or Consequence, NM: max altitude 350,000 ft. AGL, within 185 km, centered around NL 32-59-14; WL 106-58-37
- (7) MOBILE: Spaceport America, Truth or Consequence, NM: max altitude 350,000 ft. AGL, within 185 km, centered around NL 32-59-14; WL 106-58-37
- (8) Mojave, CA - NL 35-02-54; WL 118-08-58
- (9) Truth or Consequence, NM - NL 32-59-14; WL 106-58-37

This authorization effective May 25, 2021 and
will expire 3:00 A.M. EST November 15, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Spaceport America, Truth or Consequence, NM: max altitude 350,000 ft. AGL, within 185 km, centered around NL 32-59-14; WL 106-58-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
123.275 MHz	MO	25K0A3E	16 W (ERP)	
123.45 MHz	MO	25K0A3E	16 W (ERP)	
123.525 MHz	MO	25K0A3E	16 W (ERP)	

MOBILE: Spaceport America, Sierra County, NM: max altitude 350,000 ft. AGL, within 185 km, centered around NL 32-59-14; WL 106-58-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1445.5 MHz	MO	3M75G7D	10 W (ERP)	
1451.5 MHz	MO	3M75G7D	10 W (ERP)	
1462.5 MHz	MO	3M75G7D	10 W (ERP)	
1470.5 MHz	MO	3M75G7D	10 W (ERP)	
1480.5 MHz	MO	3M75G7D	10 W (ERP)	
2360-2390 MHz	MO	15M6G7D	20 W (ERP)	

Frequency Information

MOBILE: Mojave Airport, Kern County, CA: max altitude 350,000 ft. AGL, within 185 km, centered around NL 35-02-54; WL 118-08-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
123.225 MHz	MO	25K0A3E	16 W (ERP)	
123.375 MHz	MO	25K0A3E	16 W (ERP)	
123.45 MHz	MO	25K0A3E	16 W (ERP)	

MOBILE: Mojave Airport, Kern County, CA: max altitude 350,000 ft. AGL, within 185 km, centered around NL 35-02-54; WL 118-08-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1445.5 MHz	MO	3M75G7D	10 W (ERP)	
1451.5 MHz	MO	3M75G7D	10 W (ERP)	
1462.5 MHz	MO	3M75G7D	10 W (ERP)	
1470.5 MHz	MO	3M75G7D	10 W (ERP)	
1480.5 MHz	MO	3M75G7D	10 W (ERP)	
2360-2390 MHz	MO	15M6G7D	10 W (ERP)	

Frequency Information

MOBILE: Spaceport America, Truth or Consequence, NM: max altitude 350,000 ft. AGL, within 185 km, centered around NL 32-59-14; WL 106-58-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1445.5 MHz	MO	3M75G7D	2 W (ERP)	
1451.5 MHz	MO	3M75G7D	2 W (ERP)	
1462.5 MHz	MO	3M75G7D	2 W (ERP)	
1470.5 MHz	MO	3M75G7D	2 W (ERP)	
1480.5 MHz	MO	3M75G7D	2 W (ERP)	

MOBILE: Spaceport America, Truth or Consequence, NM: max altitude 350,000 ft. AGL, within 185 km, centered around NL 32-59-14; WL 106-58-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1445.5 MHz	MO	3M75G7D	8 W (ERP)	
1451.5 MHz	MO	3M75G7D	8 W (ERP)	
1462.5 MHz	MO	3M75G7D	8 W (ERP)	
1470.5 MHz	MO	3M75G7D	8 W (ERP)	

Frequency Information

MOBILE: Spaceport America, Truth or Consequence, NM: max altitude 350,000 ft. AGL, within 185 km, centered around NL 32-59-14; WL 106-58-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1480.5 MHz	MO	3M75G7D	8 W (ERP)	

MOBILE: Spaceport America, Truth or Consequence, NM: max altitude 350,000 ft. AGL, within 185 km, centered around NL 32-59-14; WL 106-58-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
123.275 MHz	MO	25K0A3E	16 W (ERP)	
123.45 MHz	MO	25K0A3E	16 W (ERP)	
123.525 MHz	MO	25K0A3E	16 W (ERP)	

Mojave, CA - NL 35-02-54; WL 118-08-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
123.225 MHz	FX	25K0A3E	50 W (ERP)	
123.375 MHz	FX	25K0A3E	50 W (ERP)	
123.45 MHz	FX	25K0A3E	50 W (ERP)	

Frequency Information

Truth or Consequence, NM - NL 32-59-14; WL 106-58-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
123.275 MHz	FX	25K0A3E	50 W (ERP)	
123.45 MHz	FX	25K0A3E	50 W (ERP)	
123.525 MHz	FX	25K0A3E	50 W (ERP)	

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (3) Galactic Enterprises, LLC must coordinate all operations with the Spaceport America, Director of Operations, who, in turn, will coordinate with White Sands Missile Range (WSMR), through the WSMR liaison to the spaceport.
- (4) Galactic Enterprises, LLC must coordinate operations in the 1435-1525/2360-2390 MHz bands with the Western Area Frequency Coordinator. Transmissions will be secondary to federal operations.
- (5) Galactic Enterprise, LLC must coordinate with the Very Large Array (VLA) and Very Long Baseline Array (VLBA) POC - Dan "Mert" Mertely; nrao-rfi@nrao.edu; (575) 835-7128.
- (6) All operations in the 1435-1452 MHz band shall comply with Footnote US338A.
- (7) Prior to commencing any operations in Aeronautical and Fixed frequencies 1435-1525 MHz and 2360-2395 MHz, the applicant must coordinate with the Aerospace and Flight Test Radio Coordinating Council (AFTRCC).
- (8) The applicant must comply with resolution 750 OOB limits.
- (9) Operation is subject to coordination with the area frequency coordinator located at White Sands Missile Range, New Mexico, prior to use in the State of New Mexico or other US territory within a 240 km radius of WSMR plus the area of Utah and Colorado that lies South of 41 North and between 108 and 111 West.
- (10) Use of this frequency or band 1435-1525 MHz under the authority of this assign is subject to further coordination with the AFC, WSMR, New Mexico, as necessary to ensure compatibility with the existing uses.
- (11) Stop Buzzers, John Kilchrist at (661) 858-6616.

Special Conditions:

- (12) Operation is non-interference basis to current authorizations within radio line of sight.